Océ
VarioPrint® 6000
Ultra Line

Experience ultra speed

océ

Canon
CANON GROUP

User manual
Safety information

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Chapter 1
Safety information

Instructions for safe use

Introduction

All the products have been tested in accordance with the strictest international safety standards. Please read the following sections before you connect the machine to the power supply. These sections contain important information with regard to the user safety and the prevention of equipment problems. Make sure that you observe the safety rules hereinafter. This helps to assure that you can work with the product safely. Make sure that you observe all the precautions mentioned below.

Note:
Some parts of the contents of this section may not be applicable to your product.

Note:
Please refer to the corresponding Safety Data Sheets for specific safety information. You can download the Safety Data Sheets from the support site of your product at http://global.oce.com/support/.

Disassembly and Modification

Warning

- Do not remove covers and panels that are fixed to the machine. Some machines have a high-voltage component or a laser beam source inside that could cause an electric shock or blindness
- Do not modify this machine, since this could cause fire, electric shock, or breakdown. If the machine contains a laser, the laser beam source could cause blindness.

Caution

- Do not carry out maintenance activities on components and maintenance materials other than the components and materials that are mentioned in the user manual.
- Do not place any liquids on the machine.
- Do not open any door while the machine starts up or runs, unless the operator panel displays a message asking you to open one or more doors.
- Only use maintenance materials or other materials for their intended purpose.
- To avoid any risk, only properly qualified and trained service technicians are allowed to modify the machine.
- Do not bridge any mechanical or electrical circuit breakers.

Note

- Keep maintenance materials away from children.

Power Cord

Warning

- Do not scratch, abrade, heat, twist, bend, place a heavy object on or cause any other damage to the power cord. The use of a damaged power cord (exposed core wire, broken wire, for example) could result in a fire or breakdown. If you discover any of these conditions, turn OFF the power switch immediately and unplug the power cord from the power outlet. Then call your authorized service representative.
- Do not use an extension cord to connect to the machine.
- Only use the mains connector cable that was supplied with the machine.

Power Supply

Warning

- Insert the power plug directly into a wall socket that has the same configuration as the plug. The use of adapter leads can result in an inadequate power supply. If a suitable wall outlet is not available, ask a qualified electrician to carry out the installation.
- Do not connect the machine to mains voltage that differs from the value stated on the power marking label.
- Do not use a multiple outlet adapter or an extension lead. Contact your authorized service representative if an extension lead is required.

Caution

- Consult your authorized service representative before you connect other equipment to the same wall outlet.

Note

- If connection to a different mains voltage is required, contact your authorized service representative.
- The input interface module is accessible at the front of the machine. This module contains a power outlet that is intended for service purposes only. Do not connect any electrical device to this power outlet.

Power plug

- For machines that are connected via a wall socket: Place the machine close to a wall socket that is easily accessible. The power plug is intended to serve as a disconnect device.

Grounding

Warning

- Connect the power cord to an electrical outlet (wall socket) that is equipped with a grounding terminal.
- This equipment was not designed for connection to an IT power system. (An IT power system is a voltage network in which the neutral wire is not grounded).

Installation

Warning

- Ensure that the machine is placed on a level, horizontal surface of sufficient strength.
- Do not place this machine on an unstable or tilted bench.
- Do not place this machine in a location that is subject to lots of vibrations and shocks.
- Do not use flammable sprays, liquids, or gases near this product, since this could cause a fire.

Note

- It is recommended that you connect only those copy-control products (or other products) which meet the (inter)national product safety and radio frequency interference standards. Only use an attachment cable as specified by the manufacturer.

Ventilation

- The machine can produce odors of exhaust air when you:
  - use this machine in a poorly ventilated room for a long time
  - produce large amounts of copies or print
  Therefore, make sure that you ventilate this room well.
- Do not block the machine's ventilation openings.
- Do not place the machine in rooms which are too small and insufficiently ventilated. See the Product Safety Data Sheet of the machine for the ventilation requirements.
- Be sure to allow a clearance of 300 mm/11.81 inch or more at the back of this machine for the ventilation duct.

Solving Problems

Warning

- When a piece of metal, water or any other similar foreign matter gets inside the machine, immediately turn OFF the power switch and unplug the power cord from the power outlet. Then call your authorized service representative.
- Stop using the machine immediately if it becomes excessively hot, emits smoke, or produces unusual odors or noises. Turn OFF the power switch immediately and unplug the power cord from the power outlet. Then call your authorized service representative.

Caution

- Stop using the machine if it is dropped or a cover is damaged. Turn OFF the power switch immediately and unplug the power cord from the power outlet. Then call your authorized service representative.
- Some areas inside the machine may become hot. Touching these areas could cause burns. When you check for malfunctions inside the machine such as a paper misfeed, do not touch the locations which are labeled "Caution HOT". You can find these labels around the fusing unit, for example.

- LCD display. Do not rub, press, or touch the display surface with hard material, because the polarizer at the surface can be easily scratched. The LCD module consists of glass. Therefore, the LCD module can be damaged when you drop, pinch strongly, or punch the module. If glass breaks, be careful not to injure yourself on the glass fragments. Call Océ Customer Service.

Consumables, Supplies and Maintenance Materials

Warning

- Do not throw toner cartridges or toner into an open flame.

Caution

- Do not leave a toner unit or drum unit within reach of children.
- Always use the materials recommended by the manufacturer that are developed for this machine. Materials not approved by the manufacturer may result in damage to your machine.

Moving the Machine

Caution

- Make sure that you disconnect the power cord and other cables before you move the machine.
- Make sure that you check the documentation for the space requirements before you move the machine.

Holidays

Caution

- Unplug the machine if you will be using it for a long period of time.

Key operator maintenance

A part of the key operator maintenance tasks can be performed in the hot area of the machine. These are:

- Replace the spiral cleaner
- Replace the TTF belt
- Cutting the sheet cleaner
- Clean the glue cleaners
- Solve paper jams.

There are two ways to protect your hands against heat:

- Use the heat-resistant gloves that are supplied with the printer, or
- Work on the machine after it has cooled down. If you do not have a 24-hour work shift, the printer will provide you with a schedule for replacing parts in the morning before the machine warms up.

Chapter 2
Regulation notices

Regulation notices (country dependent)

Introduction

This section describes the regulation notices.

Radio Interference Suppression (all countries except USA)

Warning: This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate corrective measures.

FCC Approval (USA Only)

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Harmonics (EU Only)

Equipment complying with EN61000-3-12.

VCCI (Japan Only)

This is a Class A product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may occur, in which case, the user may be required to take corrective action.

Ozone (all countries)

This machine is fitted with an ozone filter. If you have a maintenance contract the Océ technician will check this filter regularly and replace it when necessary. If you do not have a maintenance contract the filter should be replaced after: 7.5 million pages. Correct operation can only be guaranteed if you have the filter replaced by Océ.

Battery Labeling (EU Only)

This product contains a Button Cell. It is located in a printed circuit board that is essential for the continuous, error-free functioning of the product. The button cell should be removed only by skilled service technicians who are aware of the removal instructions provided by Océ

Button cell specifications

Button cell location	Button cell capacity	Contains the following substances (if applicable)
Main node, in input interface	+/- 0.2 Ah	Lithium

Caution: Océ does not accept any liability for any damage or consequences, if the batteries are removed by persons other than Océ service personnel.

End of Service Life; WEEE (EU Only)

The "crossed-out trash can" symbol indicates that at the end of its service life the equipment must be collected separately in the EU Member States. The black bar specifies that the appliance is put on the market after August 13, 2005. Reference: Directive 2002/96/EC. Contact your local Océ organization for further information.

RoHS (China Only)

The Environmental Protection Use Period (EPUP) applicable for the printing system for delivery to the People's Republic of China is 20 years. This EPUP, which does not include consumables or expendables, does not affect any warranty that is provided for the system and may not be construed or interpreted as a separate warranty for the printing system.

ENERGY STAR® (All countries)

Océ-Technologies B.V. has joined the ENERGY STAR® Program of the United States Environmental Protection Agency (EPA). The purpose of the ENERGY STAR Program is to promote the manufacturing and marketing of energy-efficient equipment, thereby potentially reducing combustion-related pollution. Using the energy management features outlined below prevents unnecessary power consumption, which helps to prevent air pollution from electricity generating plants and saves money on your utility bills. As an ENERGY STAR® Partner, Océ-Technologies B.V. has determined that the Océ Vario-

Print® 6000 series meets the ENERGY STAR® criteria for energy efficiency laid down in the ENERGY STAR Program Requirements for Imaging Equipment (Version 1.1).

Energy Consumption (All Countries)

The energy consumption of imaging equipment can be determined by means of the TEC procedure. This procedure was developed under the auspices of the United States Environmental Protection Agency. TEC stands for Typical Electricity Consumption. The TEC value of a product represents the energy consumed in a week under standardized conditions. For the Océ VarioPrint® 6000 series the TEC-value is listed in the Product Safety Data Sheet.

In order to limit energy consumption during periods of non-use, the Océ VarioPrint® 6000 series has a sleep mode during which the power level is reduced. The value for the sleep mode is listed in the Product Safety Data Sheet.

Power modes and delay times
Energy consumption and efficiency are influenced both by the product technology and by the settings chosen by the user, especially the delay times that are selected to enter reduced power states. The following delay times have been pre-set.

Power modes and delay times

Operational mode	Default delay time (minutes)
Low power	15 minutes (range 1–15 minutes)
Sleep	30 minutes (range 16–240 minutes

The modes above are automatically entered after the default delay time has elapsed, counting from the moment the last print has been produced. These settings are recommended and for most users ensure both ease of use and low energy consumption. The minimum and maximum values for the delay times are in brackets and can be changed by the [user/ key-operator/ service technician] (choose applicable option, delete the rest). Shorter delay times within this range will lower the energy consumption even further, but can cause longer recovery times. In some cases longer delay times may prove to be more convenient, but it should be noted that this may cause an increase in energy consumption. Therefore, from an energy preservation point-of-view, longer delay times are not recommended.

Automatic duplex

Using both sides of paper reduces paper costs, national energy consumption and the amount of paper in the waste disposal process. Therefore, the Océ VarioPrint® 6000 series is set to automatic duplex copying as the default.

Recycled paper (All countries)

Using recycled paper also benefits the environment. The Océ VarioPrint® 6000 series is designed to use recycled paper, which complies with the requirements of EN12281:2002. Product literature on recommended types of recycled copier paper can be obtained from your local Océ company of Océ Headquarters.

Chapter 3
General information

Caution labels and notations

Introduction

You can find the power-marking label near the mains entrance. If connection to a different mains voltage is required, contact Customer Service.

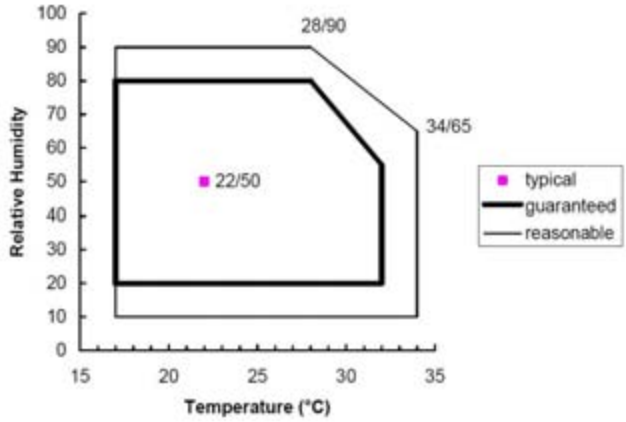
Warning:
Do not remove caution labels or caution notations. If a label or notation is soiled, please clean the label or notation. If you cannot make the label or notation legible, or if the label or notation is damaged, please contact your service representative.

Space requirements and operation precautions (All countries)

- The required operating space of this product will be communicated to each customer by the local sales representative during the Site Survey.
- Please refer to the corresponding Safety Data Sheets for the specific safety information, including the dimensions of the product, the recommended room volume and ventilation rate. You can download the Safety Data Sheets from the support site of your product at http://global.oce.com/support/

Operating environment

The figure below shows the typical, the guaranteed and the reasonable environmental conditions in which your machine can operate. The bold line marks the area in which the machine performs at a guaranteed quality level. The thin line marks the area in which the machine performs at a reasonable quality level without any permanent degradation of the machine. The pink square indicates the optimal operating conditions: 22 °C and 50% relative humidity.
You can find the translations of the English terms in the table below the figure.



[4] Overview of the environmental conditions

English terms in the above figure	Translation
Temperature (°C)	Temperature (°C)
Relative Humidity	Relative Humidity
typical	typical
guaranteed	guaranteed
reasonable	reasonable

Chapter 4
Safety information - iXDP

Instructions for safe use - iXDP (integrated eXchangeable Die Punch)

Introduction

This user manual and the machine contain important safety information, messages and warnings. Please make sure you carefully read and understand all of these before you operate the machine.

Warning stickers

The puncher contains the following warning stickers.

Warning stickers

Warning sticker	Description
	This safety message means you could get an electrical shock because disconnecting power from this section does not cut off power from adjacent sections of the machine.

Warning sticker	Description
	This safety message means that you might get seriously hurt or killed if you open the product and expose yourself to hazardous voltage. NEVER remove the screwed on covers. ALWAYS refer service requirements to qualified service personnel.
	This safety message means that surfaces are hot and might cause personal injury if touched.

Important safeguards

Warning:
The power switch ⏻ of the printer does not cut off the power from the puncher. The power switch ⏻ of the puncher does not cut off the power from the printer.

- Use the puncher only for the intended purpose of punching documents according to the indicated specifications.
- The puncher must be connected to a supply voltage corresponding to the electrical rating of the machine operation instructions (also listed on the serial number label).

- The grounding plug is a safety feature and will only fit into the proper grounding-type power outlet. If you are unable to insert the plug into an outlet, contact a qualified electrician to have a suitable outlet installed.
- Unplug the puncher before moving the machine or whenever the machine is not in use for an extended period of time.
- Only an approved service engineer is authorized to install the machine.
- Only connect the machine to a mains power supply of the correct voltage with a good earth connection. The correct machine voltage is shown on the label at the power supply input on the rear of the machine. If the machine is connected to the wrong supply, the warranty is voided.
- Do only maintenance procedures that are included in the user manual.
- There are NO user-serviceable parts inside the machine in order to avoid potential personal injury and/or damage to property or the machine itself.
- Do not alter the plug of the power cord assembly.
- Do not operate the puncher if the machine has a damaged power supply cord or plug. Do not operate the machine after any malfunction. Do not operate the machine in case of liquid spills, or if the machine has been damaged in any other way.
- Do not overload electrical outlets beyond their capacity. To do so may result in fire or electrical shock.
- Do not remove screws, hardware or covers, unless you are told to in the user manual.
- Do not change fuses before the machine is disconnected from the main power supply.
- Do not modify the machine. A modified machine is not safe to operate. The product warranty is voided if you modify the machine.
- Do not change or adjust the safety interlock switches fitted to the machine.
- Do not use the machine if the machine makes unusual noises. Turn off the machine. Disconnect the machine from the main power supply. Call your service engineer.
- Do not attempt to service the machine yourself. Contact an authorized service representative for any required repairs or major maintenance for your machine.

Mains connection

iXDP: at the back of the module, at the right-hand side of the place where the mains cable enters the machine.

Cleaning

- You can use a soft, damp cloth to clean the exterior of the machine.
- Do not use detergents or solvents. Detergents and solvents can damage he machine.

Power cord assembly (only applicable to the machines rated 230 V, 50/60 Hz, and located in the European Union)

Warning:
When you select a detachable line cord for use with your machine, always follow these precautions.

The power cord assembly consists of 3 parts. Each of these components must have European regulatory safety approvals. The parts of the power cord assembly must comply with the following minimum electrical requirements.

- Plug: 3 amperes, 250 volts, 50/60 Hz, Class 1, 3 conductor, European safety approved.
- Cord: Type H05VV-F3G0.75, harmonized (<HAR>). The "< >" symbols indicate that the cord is approved according to appropriate European standards.
  Note that <HAR> may be substituted for an approval mark of the European safety agency that approved the cord. An example is "<VDE>".
- Appliance connector: 3 amperes, 250 volts, 50/60 Hz, European safety approved, Type IEC 320. The power cord assembly must be maximum 3 meters in length.

Appendix A
Miscellaneous

Online support for your product

Introduction

Océ offers comprehensive support for your product on the website:
http://global.oce.com/
Here you can find the latest information that can help you to take full benefit of your product. You can also find answers to your questions.

Please visit the website regularly for updates on the following topics:

- Downloads:
- Support
- Supplies

Downloads:

User manuals, printer drivers and other resources can change without prior notice. To stay up-to-date, you are advised to download the latest resources from:
http://global.oce.com/support
Before using your product, you must always download the latest safety information for your product. Before using your product, make sure that you read and understand all safety information in the manual entitled "**Safety Instructions**".

Support

A Knowledge Base (OKB) with answers to your questions or problems is continuously being updated. To find an answer to your question or problem, please visit:
http://global.oce.com/support and select your product.
In the Support section, use the search field to enter your question. You will get a list of possible answers.

Supplies

A media guide with the latest information is available on the website:
http://global.oce.com/supplies/

Here you can find the media that your product supports, for example. You can also find more information about supplies for your product, such as toner. You can also order new supplies directly through the website.

Addresses of local Océ organizations

For the addresses of local Océ organizations, visit:
http://global.oce.com/contact/countries

Comments

Send your comments by e-mail to:
itc-userdoc@oce.com

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- Production printing for marketing service bureaus and graphic arts
- Business Services for document process outsourcing

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